

HISTORIC AMERICAN BUILDINGS SURVEY
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MARE ISLAND NAVAL SHIPYARD,
ACID MIXING FACILITY (BLDG. NO. 463)
CALIFORNIA AND "E" STREET
VALLEJO
SOLANO COUNTY
CALIFORNIA

HABS NO. CA-1543G

Mr. Wesley Gibson, Photographer; September 1994
All photographs are 8" x 10" enlargements from 4" x 5" negatives.

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| CA-1543G-1 | West Front Elevation |
| CA-1543G-2 | South Side Elevation showing elevated tank structure at right. |
| CA-1543G-3 | Detail of roof overhang, west elevation, and knee braces. |
| CA-1543G-4 | South Side Elevation-Elevated Tank Structure. |
| CA-1543G-5 | West Side-Elevated Tank Structure with fume exhaust system and support structure in foreground. |
| CA-1543G-6 | North Side-Elevated Tank Structure |
| CA-1543G-7 | East Side Elevation-Redwood Acid Storage Tanks. |
| CA-1543G-8 | East Side Elevation-Replacement Steel Acid Storage Tanks |
| CA-1543G-9 | Detail View-Redwood Acid Storage Tank showing reinforcing band detail. |
| CA-1543G-10 | Detail of Bottom Exterior of Redwood Tank. |
| CA-1543G-11 | Acid Cooling System showing piping running through plastic lined water bath trough. |
| CA-1543G-12 | Acid Mixing Tank with fume extraction ducting. |

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- CA-1543G-13 Interior of Acid Mixing Tank showing fume extraction ducting and flow controls.
- CA-1543G-14 Detail view of acid transfer piping-interior of building.
- CA-1543G-15 Photocopy of historic view No. 31001 showing expansion of Building 461 (9/4/56) showing Building 463 tanks to the right of the photo. Original is on file Mare Island Naval Shipyard-Photography Lab. Photographer unknown.
- CA-1543G-16 Photocopy of historic view No. 89056 (1/20/69) showing plates of standard submarine battery. Original is on file Mare Island Naval Shipyard-Photography Lab. Photographer unknown.
- CA-1543G-17 Photocopy of historic view No. 59985 (7/29/63) showing portable electrolyte transfer tank used in overhaul of submarine batteries. Original is on file Mare Island Naval Shipyard-Photography Lab. Photographer unknown.
- Note: Photographs Nos. CA-1543G-18 through CA-1543G-22 are photocopies of construction drawings (various dates). Original drawings located at Mare Island Naval Shipyard-Staff Civil Engineer's Office.
- CA-1543G-18 Yards & Docks Drawing 112,447 (463-A-1) (1931), "Battery Overhaul Bldg., Acid Mixing Plant & Misc. Details"
- CA-1543G-19 Public Works Department Drawing 463-A-2 (1958), "Platform & Walk ways, Acid Storage Tanks"
- CA-1543G-20 Public Works Department Drawing 461-M-7 (1943), "Sulphuric Acid Storage System-Building 463 Details"
- CA-1543G-21 Public Works Department Drawing 461-M-8 (1943), "Sulphuric Acid Storage System-Storage Tank Details"
- CA-1543G-22 Public Works Department Drawing 461-M-9 (1931), "Platform and Tanks For Acid and Distilled Water"

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CA-1543G-23	Public Works Department Drawing 461-M-10 (1931), "Electrolyte and Distilled Water-Piping and Fittings"
CA-1543G-24	Public Works Department Drawing 461-M-18 (1956), "Tank Piping Plan And Details"
CA-1543G-25	Public Works Department Drawing 461-M-19 (1956), "Tank Details"
CA-1543G-26	Public Works Department Drawing 461-M-20 (1956), "Miscellaneous Details"
CA-1543G-27	Naval Facility Engineering Command Drawing 6068752 (463-M-3) (1975), "Electrolite Aerosol Removal System"
CA-1543G-28	Naval Facilities Engineering Command Drawing 6072429 (463-M-4) (1975), "Acid Piping Replacement & Pump Transfer System (Tank Area)"
CA-1543G-29	Public Works Department Drawing 461-S-18 (1943), "Sulphuric Acid Storage System-Details Of Tank Platform"
CA-1543G-30	Public Works Department Drawing 461-S-27 (1956), "Structural-Acid Storage Tanks"
CA-1543G-31	Public Works Department Drawing 463-M-5 (1992), "Replace Acid Tank No. 3- Plan, Elevation, Details"
CA-1543G-32	Public Works Department Drawing 463-S-1(1934), "Mixing Room, Repairs To Floor"